

Product information

Product Description

i-FIT 71 TS offers a unique combination of hearing instrument technology with a sound generator option to assist in lowering the perception of tinnitus.

In addition, i-FIT 71 TS offers a complete package of exclusive hearing instrument features.

Fitting Requirements

- Aventa™ fitting software version 2.8 or higher
- Programming adaptor boot with CS44 cable
- Speedlink™, HI-PRO or NOAHlink interface (Speedlink recommended)



Tinnitus sound generator features

- Environmental Steering™
- Amplitude Modulation and Frequency Shaping

Hearing compensation features

- Selection of directionality modes
- 17-band WARP™
- Dual Stabilizer™ II DFS with Feedback Eliminator
- Situation Analyser
- Integrated wind noise suppression
- Noise Reduction
- Impulse Noise Smoother
- EchoStop™
- Onboard Analyser™ data logging
- SmartStart™

Standard Configuration

- iSolate™ humidity protection
- Dual Microphone Technology
- Size 13 battery
- Push button
- Programmable volume control
- Telecoil with T and MT modes
- Direct Audio Input facility



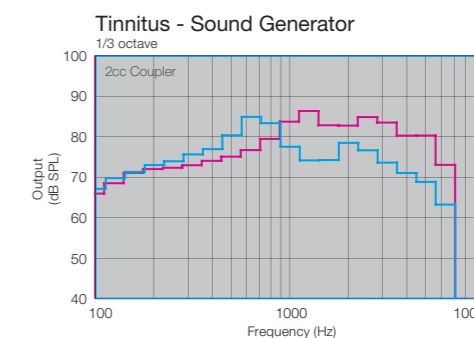
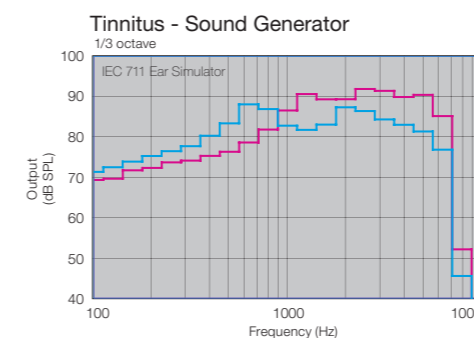
Sound Generator Data

Supports open or closed mould fittings



i-FIT 71 TS

	IEC 118-0 Ear Simulator		IEC 118-7 2cc coupler		
	Classic	Open	Classic	Open	
Max output level	99,63	95,92	93,15	90,43	dB SPL
Max A-weighted output level	100,33	95,71	93,52	89,11	dB SPL
Max 1/3 octave output level	91,95	88	86	85	dB SPL



Patents pending.

All specifications are subject to change without notice.

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Technical Specifications



i-FIT 71 TS

		IEC 118-0 Ear Simulator	IEC 118-7 2cc coupler	
Reference test gain (60 dB SPL input)	1600 Hz / HFA	45	42	dB
Full-on gain (50 dB SPL input)	Max.	63	49	dB
	1600 Hz / HFA	55	45	dB
Maximum output (90 dB SPL input)	Max.	133	129	dB SPL
	1600 Hz / HFA	131	120	dB SPL
Total harmonic distortion	800 Hz	0,9	0,2	%
	1600 Hz	0,5	0,8	%
Telecoil sensitivity (1 mA/m input)	Max.	95	-	dB SPL
Full-on Telecoil sensitivity @1 mA/m, MASL (IEC)	HFA	-	83	dB SPL
HFA - SPLITS @ 31.6 mA/m (ANSI)	HFA	-	108	dB SPL
Equivalent input noise, w/o Noise reduction		28	26	dB SPL
1/3 Octave Equivalent Input Noise, w/o Noise reduction		14	-	dB SPL
Frequency range (DIN 45605)		100 - 7070	100 - 6070	Hz
Current Drain		0,9	0,9	mA
Typical Battery life time (Battery type 13)		330	330	hrs

Data in accordance with IEC 60118-0, IEC 60118-7, Supply Voltage 1.3 V.

Technical Specifications

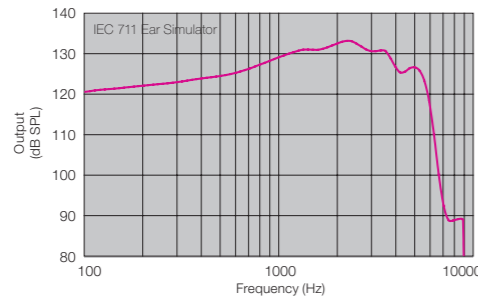


i-FIT 71 TS Open

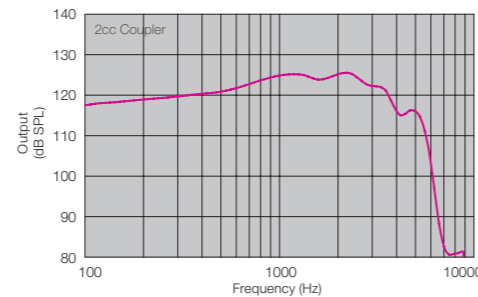
		IEC 118-0 Ear Simulator	IEC 118-7 2cc coupler	
Reference test gain (60 dB SPL input)	1600 Hz / HFA	42	42	dB
Full-on gain (50 dB SPL input)	Max.	58	49	dB
	1600 Hz / HFA	52	45	dB
Maximum output (90 dB SPL input)	Max.	133	129	dB SPL
	1600 Hz / HFA	127	120	dB SPL
Total harmonic distortion	800 Hz	0,2	0,2	%
	1600 Hz	0,9	0,8	%
Telecoil sensitivity (1 mA/m input)	Max.	88	-	dB SPL
Full-on Telecoil sensitivity @1 mA/m, MASL (IEC)	HFA	-	77	dB SPL
HFA - SPLITS @ 31.6 mA/m (ANSI)	HFA	-	105	dB SPL
Equivalent input noise, w/o Noise reduction		26	26	dB SPL
1/3 Octave Equivalent Input Noise, w/o Noise reduction		14	-	dB SPL
Frequency range (DIN 45605)		100 - 7090	100 - 6070	Hz
Current Drain		0,9	0,9	mA
Typical Battery life time (Battery type 13)		322	322	hrs

Data in accordance with IEC 60118-0, IEC 60118-7, Supply Voltage 1.3 V.

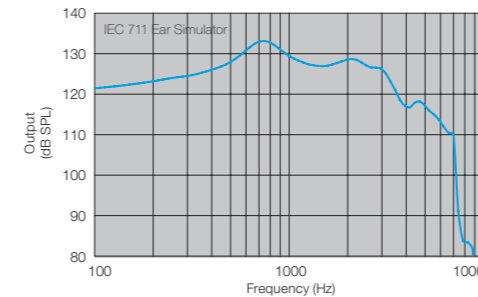
Maximum Output (OSPL 90)



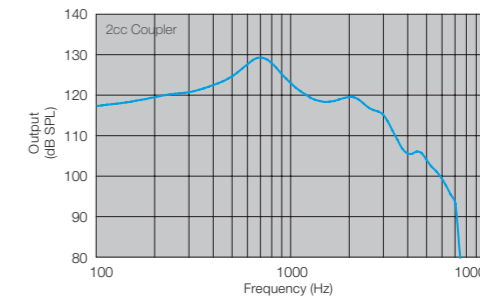
Maximum Output (OSPL 90)



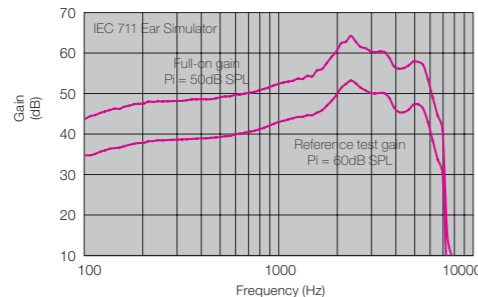
Maximum Output (OSPL 90)



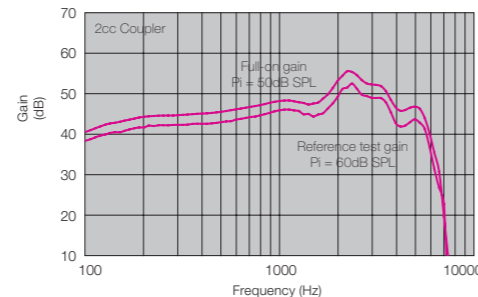
Maximum Output (OSPL 90)



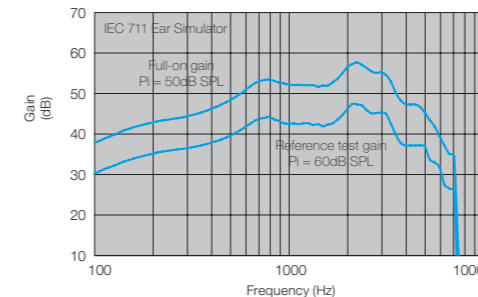
Full-On and Reference Test Gain



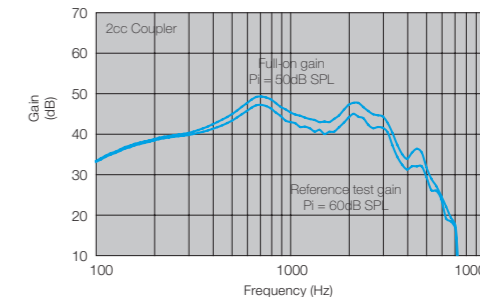
Full-On and Reference Test Gain



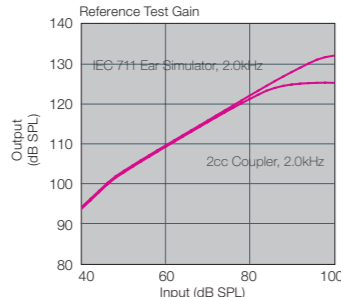
Full-On and Reference Test Gain



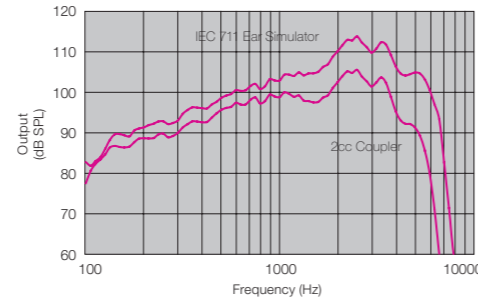
Full-On and Reference Test Gain



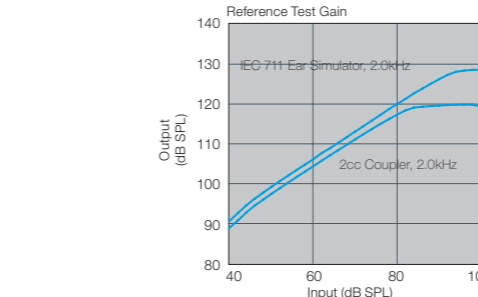
Input/Output Response



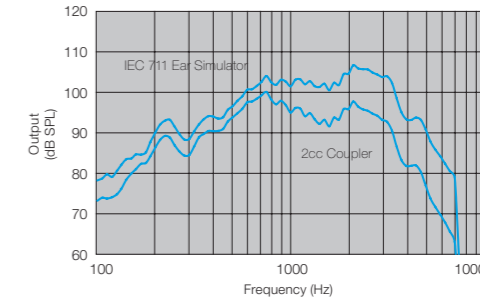
Telecoil Response



Input/Output Response



Telecoil Response



Full-On Gain Parameter Settings*

	250 Hz	500 Hz	750 Hz	1 kHz	2 kHz	3 kHz	4 kHz	6 kHz
G[80]	37	37	37	38	38	38	36	32
G[50]	46	46	46	46	51	45	43	43

Reference Test Gain Parameter Settings for 118-0*

	250 Hz	500 Hz	750 Hz	1 kHz	1.5 kHz	2 kHz	3 kHz	4 kHz	6 kHz
G[80]	30	30	30	31	31	31	29	25	25
G[50]	39	39	39	39	39	44	38	36	36

Reference Test Gain Parameter Settings for ANSI and 118-7*

	250 Hz	500 Hz	750 Hz	1 kHz	1.5 kHz	2 kHz	3 kHz	4 kHz	6 kHz
G[80]	37	37	37	38	38	38	36	32	32
G[50]	46	46	46	46	46	51	45	43	43

*Settings in accordance with Aventa fitting software

Full-On Gain Parameter Settings*

	250 Hz	500 Hz	750 Hz	1 kHz	1.5 kHz	2 kHz	3 kHz	4 kHz	6 kHz
G[80]	40	40	40	40	37	42	32	28	26
G[50]	42	45	48	48	44	52	42	35	30

Reference Test Gain Parameter Settings for 118-0*

	250 Hz	500 Hz	750 Hz	1 kHz	1.5 kHz	2 kHz	3 kHz	4 kHz	6 kHz
G[80]	33	33	33	33	30	35	25	21	19
G[50]	35	38	41	41	37	45	35	28	23

Reference Test Gain Parameter Settings for ANSI and 118-7*

	250 Hz	500 Hz	750 Hz	1 kHz	1.5 kHz	2 kHz	3 kHz	4 kHz	6 kHz
G[80]	40	40	40	40	37	42	32	28	26
G[50]	42	45	48	48	44	52	42	35	30

*Settings in accordance with Aventa fitting software